

**Amendments to the Claims:**

This listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Currently Amended) A method of inhibiting osteoclast-mediated bone resorption, comprising inhibiting activity of a gene product encoded by osteoclast associated gene OC14, wherein said osteoclast-associated gene OC14 comprises the nucleotide sequence of SEQ ID NO: 50, wherein said activity of a gene product encoded by OC14 is inhibited by administering a compound that inhibits the activity of said gene product, and wherein the activity of said gene product is decreased by at least 10% in the presence of said compound, as compared to the activity of said gene product in the absence of said compound.

tggageagag gtttccatgg tggatcataag ageagaaaeg gttggcctnt gtgttgeaae eetageate  
geagtgetta taegaatttc gaetaatte ctgatgggt gttagetgg etttaaacata aaggaaaaaga  
tattttatcc ttttgcetgg cttecaaagg ccaeggttca ggetgecatt ggetetgtgg etetggacae  
ggeaagatcc eaeggagaga ageagetggg agaetatggg atggatgtge tgaegggtgge atttttgggee  
ateteatcca cagcaccat tggaaagecta ctgatgggtt tgetgggtcc cagggtttt cagaaatetc  
aaeategaae egaagaggag gttcaaggag agaettetge acaeatteag aggaageetg aggatteeat  
taeggaagec tgatggacca tggtaaccat cccaaeeaa aggttttggc cttttttttt cggggacaae  
tttaetttcc ttgcacteag aagaaaaatt ccgttggaat tteataagea aaaaattag aaagetttae  
gtgetaaea gtacccatgg tggtaactt ctcagaaaaga cggaggaca ggttaettea gaaagtgaga  
gaaagtaatt tggacaaata aaacatteae gattttgt (SEQ ID NO:50).

2. - 25. (Cancelled)
26. (Currently Amended) The method of ~~claim 25~~ claim 1, wherein said compound is selected from the group consisting of a fusion protein, a polypeptide, a peptidomimetic, an antisense polynucleotide, a prodrug, an antibody, a small molecule inhibitor, or a ribozyme.
27. (Currently Amended) The method of ~~claim 25~~ claim 1, wherein the activity of said gene product is decreased by at least 1.5-fold in the presence of said compound, as compared to the activity of said gene product in the absence of said compound.
28. (Currently Amended) The method of ~~claim 25~~ claim 1, wherein the activity of said gene product is decreased by at least 3-fold in the presence of said compound, as compared to the activity of said gene product in the absence of said compound.

29. (Currently Amended) The method of ~~claim 25~~ claim 1, wherein the activity of said gene product is decreased by at least 5-fold in the presence of said compound, as compared to the activity of said gene product in the absence of said compound.

30. (Cancelled)

31. (Currently Amended) The method of ~~claim 25~~ claim 1, wherein the activity of said gene product is decreased by at least 50% in the presence of said compound, as compared to the activity of said gene product in the absence of said compound.

32. (Currently Amended) The method of ~~claim 25~~ claim 1, wherein the activity of said gene product is decreased by at least 75% in the presence of said compound, as compared to the activity of said gene product in the absence of said compound.

33. (Currently Amended) The method of ~~claim 25~~ claim 1, wherein the activity of said gene product is decreased by at least 90% in the presence of said compound, as compared to the activity of said gene product in the absence of said compound.